

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims and ADD new claim 8 in accordance with the following:

1. (CURRENTLY AMENDED) A numerical control apparatus comprising:
a numerical control part integrally placed with a display and ~~for~~-outputting a move command;
a motor control part ~~for~~-generating a PWM signal for a plurality of motors based on the move command from the numerical control part; and
a plurality of motor amplifiers, each ~~for driving a respective one~~ ~~each~~ of said plurality of motors based on the PWM signal from the motor control part, wherein
~~said numerical control part is integrally placed with a display;~~
said motor control part is configured so as to control a all of the plurality of motors with ~~one~~ a single motor control part, and said motor control part and said plurality of motor amplifiers are placed on a power panel; and
said numerical control part and said motor control part are connected by a serial communication line.
2. (CURRENTLY AMENDED) A numerical control apparatus comprising:
a numerical control part integrally placed with a display and ~~for~~-outputting a move command;
a motor control part ~~for~~-generating a PWM signal for a plurality of motors based on the move command from the numerical control part; and
a plurality of motor amplifiers, each ~~for driving each a respective one~~ of said plurality of motors based on the PWM signal from the motor control part, wherein;
~~said numerical control part is integrally placed with a display;~~
said motor control part is configured so as to control a all of the plurality of motors with ~~one~~ a single motor control part, and said motor control part and said plurality of motor amplifiers are placed on an power panel;
said motor control part is incorporated into ~~at least one~~ of said plurality of motor

amplifiers; and

said numerical control part and said motor control part ~~incorporated into said motor amplifier~~ are connected by a serial communication line.

3. (CURRENTLY AMENDED) A numerical control apparatus comprising:
a numerical control part integrally placed with a display and for outputting a move command;
a motor control part ~~for generating a PWM signal for a plurality of motors based on the move command from the numerical control part;~~ and
a plurality of motor amplifiers, each for driving each a respective one of said each motors based on the PWM signal from the motor control part, wherein:
~~said numerical control part is integrally placed with a display;~~
said motor control part is incorporated into an amplifier power supply, and said motor control part is placed on ~~the~~ a power panel along with said plurality of motor amplifiers; and
said numerical control part and said motor control part ~~incorporated into an amplifier power supply~~ are connected through a serial communication line.

4. (ORIGINAL) The numerical control apparatus according to claim 1, 2 or 3, wherein said motor control part and said plurality of motor amplifiers are connected by an electric cable.

5. (ORIGINAL) The numerical control apparatus according to claim 1, 2, or 3, wherein said motor control part and said plurality of motor amplifiers are connected by a serial communication line.

6. (CURRENTLY AMENDED) A numerical control apparatus comprising:
a numerical control part ~~for outputting a move command,~~
a plurality of motor amplifiers ~~for~~ respectively driving a plurality of motors, and
a motor control part ~~for generating a motor drive signal to be sent to said plurality of motor amplifiers based on the move command from said numerical control part,~~ wherein
said motor control part is located outside ~~the~~ said numerical control part, and ~~the sections~~ communications between said numerical control part and said motor control part, and between said motor control part and said plurality of motor amplifiers are ~~connected by~~ carried out over a communication path.

7. (CURRENTLY AMENDED) A numerical control apparatus comprising:

a numerical control part ~~for~~ outputting a move command;

a plurality of motor amplifiers belonging to a ~~first~~ first group and ~~for~~ driving a first plurality of motors;

one or more motor amplifiers belonging to a second group;

a ~~first~~ first motor control part ~~for~~ generating a motor drive signal to be sent to said plurality of motor amplifiers belonging to the first group based on the move command from said numerical control part; and

a second motor control part ~~for~~ generating a motor drive signal to be sent to said one or more motor amplifiers belonging to the second group, wherein

said ~~first~~ first and second motor control parts are placed outside said numerical control part respectively and are linked to said numerical control part in a daisy chain mode through a serial communication path.

8. (NEW) A numerical control apparatus comprising:

a numerical control part outputting a move command;

a power panel on which a plurality of motor amplifiers which drive a plurality of motors, are placed;

a motor control part on said power panel to receive the move command from the numerical control part and to generate a control signal which is provided to said plurality of motor amplifiers to cause the plurality of motor amplifiers to drive corresponding ones of said plurality of motors based on the control signal, said numerical control part and said motor control part being connected by a serial communication line.